

Soil Legends

A soil legend includes a list of symbols and names that identify each soil map unit in the soil survey area. The symbol serves as a link between the map sheets, detailed soil map unit descriptions, and tables with soil properties and interpretations information. In published soil survey reports, the legend is located in the index to map units and on the back of the Index to Map Sheets. Individual symbols precede the map unit name in the “soil descriptions” section and represent specific areas on the map sheets.

Currently, map unit symbols vary by county and consist of numbers, letters, or a combination of numbers and letters (examples: 33, Br, MoD2, 10C, 50008). Counties with symbols of one, two, or three digits or two letters represent the kind of soil or miscellaneous land areas. A capital letter of A, B, C, D, E, or F following a number or lower case letter indicates the class of slopes. Soils without a slope letter are for those map units that are nearly level. A final number of 2 following a letter indicates that the soil is eroded. A number 3 indicates that the soil is severely eroded. Miscellaneous areas with a considerable range of slope may not have slope classes indicated.

Newer soil surveys in Missouri will use a five digit map unit symbols in the soil legend. The five digit map unit symbols are the start of an effort to develop a statewide soil legend. The first digit will identify the Major Land Resource Area (MLRA) and the remaining four digits will identify the landform for the map unit. Example:

MLRA	Symbol Number	Landform Number	Landform Name
107	10000	10000-12499	Upland
		12500-13499	Stream terrace
		13500-14999	Flood plain

This subsection includes:

- **(a) Soil Map Units in the County**

Greene and Lawrence Counties, Missouri
Acreage and Proportionate Extent of the Soils

Map symbol	Soil name	Acres	Percent
1B	Newtonia silt loam, 1 to 3 percent slopes-----	7,600	0.9
2B	Pembroke silt loam, 1 to 5 percent slopes-----	36,400	4.4
3D	Eldon gravelly silt loam, 5 to 14 percent slopes-----	16,500	2.0
5C	Wilderness gravelly silt loam, 2 to 9 percent slopes-----	112,130	13.6
6B	Creldon silt loam, 1 to 4 percent slopes-----	54,100	6.5
9B	Needleye silt loam, 1 to 3 percent slopes-----	21,723	2.6
10	Bado silt loam-----	2,243	0.3
11B	Sampsel silty clay loam, 2 to 5 percent slopes-----	2,770	0.3
16B	Barco fine sandy loam, 2 to 5 percent slopes-----	1,838	0.2
21B	Peridge silt loam, 2 to 5 percent slopes-----	31,950	3.9
23B	Bolivar fine sandy loam, 2 to 5 percent slopes-----	6,100	0.7
24	Parsons silt loam-----	8,600	1.0
26D	Collinsville fine sandy loam, 2 to 14 percent slopes-----	295	*
27D	Basehor stony fine sandy loam, 2 to 14 percent slopes-----	6,750	0.8
30C	Keeno gravelly silt loam, 2 to 9 percent slopes-----	47,850	5.8
32C	Freeburg and Alsup silt loams, 2 to 9 percent slopes-----	5,100	0.6
33B	Keeno and Eldon gravelly silt loams, 2 to 5 percent slopes-----	23,750	2.9
35D	Clarksville-Nixa gravelly silt loams, 5 to 14 percent slopes-----	25,398	3.1
40E	Alsup very stony silt loam, 9 to 25 percent slopes-----	9,800	1.2
43D	Goss gravelly silt loam, 5 to 14 percent slopes-----	81,600	9.9
44E	Goss-Gasconade complex, 2 to 50 percent slopes-----	19,200	2.3
45E	Clarksville gravelly silt loam, 14 to 30 percent slopes-----	13,850	1.7
50C	Nixa gravelly silt loam, 2 to 9 percent slopes-----	14,500	1.8
53B	Wilderness and Goss gravelly silt loams, 2 to 5 percent slopes-----	21,150	2.6
54	Lanton silt loam, frequently flooded-----	6,700	0.8
55	Huntington silt loam, occasionally flooded-----	27,500	3.3
56	Osage silty clay loam, occasionally flooded-----	944	0.1
61B	Hoberg silt loam, 2 to 5 percent slopes-----	39,800	4.8
76	Hepler silt loam, occasionally flooded-----	6,050	0.7
81B	Viraton silt loam, 2 to 5 percent slopes-----	82,500	10.0
83D	Gasconade-Rock outcrop complex, 2 to 20 percent slopes-----	18,067	2.2
94	Cedargap gravelly silt loam, frequently flooded-----	4,212	0.5
95	Cedargap silt loam, frequently flooded-----	23,100	2.8
240	Gerald silt loam-----	6,500	0.8
241B	Parsons and sampsel silt loams, 1 to 3 percent slopes-----	1,110	0.1
245	Carytown silt loam-----	2,400	0.3

Greene and Lawrence Counties, Missouri
Acreage and Proportionate Extent of the Soils

Map symbol	Soil name	Acres	Percent
921	Secesh-Cedargap silt loams, frequently flooded-----	20,400	2.5
931	Waben-Cedargap gravelly silt loams, 0 to 5 percent slopes-----	11,400	1.4
940	Dumps-Orthents complex-----	558	*
941	Pits and Dumps-----	824	*
943	Orthents, nearly level to strongly sloping-----	221	*
AED	Arents, earthen dams-----	5	*
M-W	Miscellaneous water-----	5	*
W	Water-----	2,900	0.4
	Total-----	826,393	100.0

* Less than 0.1 percent.